

Computer simulation of the torque distribution system of a hybrid heavy truck in conditions of slippage of one of the wheels

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Abstract

© Published under licence by IOP Publishing Ltd. Mathematical and computer models for the motion of a hybrid heavy truck in conditions of wheel slip have been developed. Algorithms for the redistribution of the torque between the wheels to provide controllability and stability of motion along the guided path have been proposed. The efficiency of the developed algorithms is confirmed by the results of computer simulation in the MATLAB / Simulink system.

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